

## Climatological Data for July, 1910.

## DISTRICT No. 2, SOUTH ATLANTIC AND EAST GULF STATES.

CHARLES F. VON HERRMANN, District Editor.

## GENERAL SUMMARY.

Nearly normal conditions as to temperature and rainfall prevailed during July in the northern portion of the district, except that the rainfall was deficient in North Carolina, but in the States bordering the Gulf the month was very cloudy, cool, and wet. The deficiency in temperature and excess in rainfall were greatest in Alabama and Mississippi. The relatively short period of intense insolation and the frequency of cooling thunderstorms prevented any long periods of high temperature and the midsummer month, which usually presents a culmination of summer heat, was in this instance a decidedly agreeable one. In the northern portion of the district the month was the most favorable of the season for agricultural interests, but in the south too much rain prevented the proper cultivation of crops.

The district came under the influence of very few well-defined barometric depressions during the month, while on the other hand the atmospheric pressure was normal or above during several long periods, as from the 5th to 9th, 12th to 15th, and from the 19th to nearly the close of the month. The maximum pressure for the month was registered on the 24th at nearly all stations, and the minimum on the 17th. The highest barometer observed was 30.25 inches at Columbia, S. C., and Savannah, Ga., and the lowest was 29.68 inches at Norfolk, Va., and at Raleigh, N. C., giving the very small range of only 0.57 inch.

Local showers or thunderstorms continued throughout the periods when the pressure was high; in fact in all States except Virginia and North Carolina showers occurred on every day of the month. In general the rainfall was fairly well distributed, only 5 stations reporting a monthly total of less than 2 inches, and 19 above 10 inches. Comparatively few severe local storms occurred during the month.

## TEMPERATURE.

The temperature during July was slightly below normal over nearly all parts of the district, except in the southern and western portions of the North Carolina area and at a few stations in Florida where there was a very slight excess. The greatest deficiencies amounting to over  $2^{\circ}$  occurred in central-northern Georgia and the adjoining portions of Alabama. The State averages for Florida, Georgia, Alabama, and Mississippi show a uniform negative departure of slightly over  $1^{\circ}$ , a statement not in itself very impressive, but in fact at many places the month was as cool as, or cooler than, any previous July on record. At Montgomery, Ala., for instance, during a period of 38 years only July, 1882, and July, 1892, were as cool as the current month; at Mobile previous months of July have been slightly cooler than the present month only four times in 40 years. Similar statements might be made for several places in South Carolina, Georgia, and Mississippi.

The highest temperatures for the month occurred generally on the 11th to 16th or on the 29th to 31st. In every State the maximum temperatures were well within the limits of previous years and, except in Virginia where the maximum temperature was  $90^{\circ}$  or above at some places for consecutive periods of from 7 to 15 days, there were no very long hot spells and the nights were cool and pleasant. Near the Gulf coast the most oppressive days occurred at the close of the month. Only one station in Florida and two each in Georgia, Alabama, and South Carolina reported maximum temperatures of  $100^{\circ}$  or over. On the other hand a period of decidedly cool weather prevailed from the 18th to the 22d with marked departures below the daily normals and minimum temperatures in every State below  $60^{\circ}$ . The lowest temperatures ranged from  $60^{\circ}$  in Florida to  $48^{\circ}$  in Virginia.

The mean temperature for the entire district determined from the records at all stations was  $79^{\circ}$ . The highest monthly means at individual stations varied from  $79.6^{\circ}$  at Newport News, Va., to  $84.2^{\circ}$  at Statesboro, Ga., and Jasper, Fla., and the lowest monthly means from  $69.3^{\circ}$  at Hot Springs, Va., to  $78.4^{\circ}$  at Booneville, Miss. Monthly mean temperatures exceeding  $80^{\circ}$  occurred at only 3 stations in Alabama, at 4 in North Carolina, at 9 in South Carolina, at 15 in Georgia, and at 32 in Florida. The highest temperature for the district was  $104^{\circ}$  on the 15th at Blakely, Ga., and the lowest was  $48^{\circ}$  on the 18th at Hot Springs, Va. At the latter station the minimum was below  $60^{\circ}$  on 18 dates. On the whole it is seen that the temperature conditions during the month were far from oppressive and not unpropitious for the growth of crops.

## PRECIPITATION.

Brief periods of fair weather prevailed in Virginia at the beginning of the month and during the last decade, but in all other States of the district rains occurred at some point on every day of the month. The month, however, was not so wet as the preceding June nor were there such large monthly totals as occurred in July, 1909. The rainfall was distributed with considerable uniformity and the average for the entire area was 6.09 inches or 0.50 inch above the normal, while for June it was 7.80 inches or 2.50 inches above normal. The State average rainfall was below 5 inches in North Carolina with a negative departure of 1.64 inch, but in the other States the averages ranged from 5.28 inches in Virginia to 7.56 inches in Florida and were above normal in all sections. However, the departures were small in Virginia, South Carolina, Georgia, and Florida, while the excess was more marked in Alabama (+2.36 inches) and in Mississippi (+1.49 inch).

The areas in which the monthly precipitation exceeded 10 inches were all small. The regions of maximum rainfall are found in central and extreme western Florida, and in southern and central-southern Alabama; while in North Carolina, Georgia, and Mississippi only one station in each State received more than 10 inches. The regions of least precipitation lie in the central portions of the Mississippi area, in central Georgia, and in southern Virginia and the adjoining portions of North Carolina, in which the monthly totals ranged from 2 to 4 inches. The distribution of rainfall in eastern North Carolina was peculiar; Hatteras, on the east side of Pamlico Sound on a sand bar projecting into the Atlantic Ocean, received but 1.44 inch while Belhaven on the west side of the sound received 11.11 inches.

The largest monthly rainfall for the district was 15.62 inches at Fernandino, Fla., closely followed by 14.79 inches at Live Oak. The monthly totals exceeded 10 inches at 19 stations and 8 inches at 67 stations out of 343 reporting. The only places that received less than 2 inches during the month were Clarksville and Randolph, Va., Hatteras and Morganton, N. C., and Edinburg, Miss. Excessive precipitation was not especially frequent during the month; amounts exceeding 2.50 inches in 24 hours fell at only two stations in North Carolina with largest amount, 3.58 inches, at Belhaven on the 14th; at two stations in South Carolina, largest amount, 2.74 inches, at Camden on the 18-19th; at five places in Georgia, largest amount, 8.50 inches, at Valona on the 19th; at eight places in Florida, with the greatest fall, 5.30 inches, at Live Oak on the 28th; at nine points in Alabama, maximum 5.32 inches at Mobile on the 6-7th, and at five places in Mississippi, maximum 4.00 inches at Biloxi on the 1st.

Heavy local rains within short periods of time were reported as follows: Raleigh, N. C., 1.00 inch in 38 minutes on the 7th,

and 1.48 inch in 24 minutes on the 13th; Columbia, S. C., 1.64 inch in 54 minutes on the 13th and 1.00 inch in 28 minutes on the 18th; Live Oak, Fla., 5.30 inches in 3 hours from 3 to 6 a. m. on the 28th; Montgomery, Ala., 3.97 inches in 1 hour and 56 minutes on the 24th (of that amount 2.99 inches occurred in 1 hour); and Pearlington, Miss., 1.25 inch in 1 hour on the 9th.

The average number of days with rain for the district was 14 which is much above the normal number. Thunderstorms were extremely frequent during the month, but were generally moderate and were accompanied by hail in but few cases.

#### RIVER CONDITIONS.

The course of the rivers in the district during July was generally uneventful, though moderate floods occurred in Alabama. The rivers of Virginia, North Carolina, and South Carolina experienced no important changes during the month; the stream flow was moderate, seldom rising above the normal flow and then for short periods only. At some stations the mean river stages were slightly below the normal, at others slightly above.

The Ocmulgee and Oconee rivers in Georgia experienced a marked rise early in the month, for which warnings were issued by the official in charge at Macon. The Ocmulgee rose 13 feet at Macon and the Oconee to 17.8 feet at Milledgeville, but flood stages were not attained at any point.

The following report on river conditions in Alabama was made by Mr. Patrick H. Smyth, Section Director, Montgomery, Ala.:

The rise in progress in the Tallapoosa, lower Coosa, and upper Alabama rivers at the close of June continued into the month of July and was augmented by moderately heavy rains that occurred during the first few days of the month. The flood stage was reached at Milstead, Ala., on the Tallapoosa, at 4 p. m., July 2, and the maximum stage was reached the same afternoon. The flood stage, however, was not reached at any other river station. Special forecasts were issued from the local office of the United States Weather Bureau, at Montgomery, on the 4th and again on the 5th for points on the lower Coosa and upper Alabama. The stages predicted were: At Wetumpka, 32 feet; at Montgomery, 30 feet, and at Selma, 31.5 to 32 feet. The maximum stages attained were: At Wetumpka

31.7 feet; at Montgomery, 29.7 feet; and at Selma, 31.6 feet. The forecasts were of great value. Farmers had ample time in which to protect their live stock and save their property. Considerable damage was done to crops on lowlands along the lower Tallapoosa, Coosa, and upper Alabama. With the passage of the crest the freshet receded quite rapidly.

#### MISCELLANEOUS PHENOMENA.

The average number of clear days in the district ranged from 9 in Mississippi, Florida, and South Carolina to 14 in Virginia; the number of cloudy days was greatest in Georgia and Alabama (10) and averaged about 7 in most of the other States. The prevailing winds were southwest, except in Florida where southeast winds predominated. Charlotte, N. C., reported a maximum wind velocity of 46 miles from the northwest on the 28th, Savannah, Ga., 45 miles west on the 6th, and Pensacola, Fla., 42 miles south on the 2d. The mean wind movement exceeded 10 miles an hour at Pensacola, Savannah, Charleston, and Hatteras. Severe local storms occurred as follows:

*Charlotte, N. C.*—A severe storm occurred in the afternoon of July 28; the wind for a minute reached an extreme velocity of 72 miles an hour. Some trees were uprooted and the dome of the Court House was blown off. Traffic was delayed, window blinds wrenched off, and some windows were blown in. A barn belonging to the Southern Industrial Institution near Hoskins Mills was struck by lightning and destroyed.

*Washington, N. C.*, was visited by a severe electrical storm on July 18, during which lightning struck several houses in the city and barns in the neighborhood. The rainfall was heavy and several bridges were washed away.

*Goldsboro, N. C.*—During a thunderstorm on the 4th lightning struck and nearly destroyed the steeple of the First Baptist Church; the Union Passenger Station was also struck and several people in it at the time were slightly dazed.

*Angier, N. C.*—During a thunderstorm on the 12th, lightning struck a pine tree about 100 yards from the home of Mr. John Hockaday, then ran along a wire fence to the house and killed a boy about 15 years of age who was sitting at the foot of a bed.

TABLE 1—Climatological data for July, 1910. District No. 2, South Atlantic and east Gulf States.

Stations.	Counties.	Elevation feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall.	Number of rainy days 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<b>Virginia.</b>																			
Arvona.	Buckingham.	350	6	76.8	-0.2	93	3†	55	30	29	7.38	+3.73	1.74	0.0	13	10	20	1	sw.
Ashland.	Hanover.	221	19	76.6	-0.9	91	13†	56	21	26	5.53	+0.37	1.53	0.0	8	4	22	5	s.
Buchanan.	Botetourt.	820	6								4.21		1.04	0.0	9				D. D. Booze.
Callaway.	Brunswick.	230	16	77.0	-0.4	93	3†	56	21	27	4.24	-1.39	1.95	0.0	7	17	12	2	w.
Cape Henry.	Princess Anne.	30	36	78.6	+1.1	94	26	66	5	25	5.08	+2.77	1.63	0.0	8	13	10	8	sw.
Charlottesville.	Albemarle.	800	21	76.5	+0.3	94	3	53	18	28	7.95	+2.28	1.47	0.0	11	17	8	6	sw.
Clarksville.	Mecklenburg.	16									1.93	-2.35	0.74	0.0	7				J. Henry Ligon.
Columbia.	Fluvanna.	246	12	75.8		90	2†	57	20	37	5.79	-0.26	1.60	0.0	10	16	5	10	Chesapeake & Ohio R. R.
Danville.	Pittsylvania.	413	10								3.55		2.44	0.0	10				C. G. Watkins.
Diamond Springs.	Princess Anne.	20		78.4		95	13†	58	6†	31	4.67		1.51	0.0	11	17	2	12	Virginia Experiment Sta.
Hampton.	Elizabeth City.	5	27	77.6	-1.6	93	4†	62	6	18	3.90	-1.34	1.25	0.0	10	12	13	6	se.
Hot Springs.	Bath.	2,195	18	69.3	-0.3	85	2†	48	19	25	7.58	+3.93	1.90	0.0	15	10	19	2	N. & W. Ry., Exp. Farm.
Ivor.	Southampton.	87	1	78.1		94	11†	56	20†	32	6.47		1.80	0.0	11				T. J. Davis.
Lassiter.	Goochland.	100									5.80		2.15	0.0	6	25	4	2	Virginia Military Institute.
Lexington.	Rockbridge.	1,060	33	72.2	-2.6	94	1	52	19	33	3.27	-0.72	0.98	0.0	14				U. S. Weather Bureau.
Lynchburg.	Campbell.	685	39	77.1	-0.2	94	9	58	18	30	4.19	+0.11	1.30	0.0	12	6	21	4	Miss J. L. Martin.
New Castle.	Craig.	1,300	1								7.65		1.52	0.0	19				Ernest W. Sniffen.
Newport News.	Warwick.	55	7	79.6		93	13†	62	6†	20	7.00		1.80	0.0	13	16	12	3	U. S. Weather Bureau.
Norfolk.	Norfolk.	91	40	78.4	-0.3	93	11	64	21	22	6.16	+0.28	2.33	0.0	8	12	11	8	Central State Hospital.
Petersburg.	Dinwiddie.	60	23								1.04		1.00	0.0	5				W. B. Spencer.
Randolph.	Charlotte.	334	6	77.8	-1.4	92	12	58	21	25	6.40	+1.98	2.41	0.0	9	7	15	9	U. S. Weather Bureau.
Richmond.	Henrico.	144	31	75.0	-1.2	92	1	52	2	30	4.85	-0.55	0.95	0.0	10				G. W. B. Hale.
Rocky Mount.	Franklin.	1,150	16	75.0		94	26	55	20	32	7.29		0.77	0.0	6	24	5	2	State Experiment Farm.
Saxe.	Charlotte.	350		78.0		94	11†	55	21	28	7.35	+1.12	2.04	0.0	6	11	8	12	B. W. Jones.
Spottsylvania (near).	Surrey.	15	22	77.7	0.0	94	11†	56	21	24	6.40	+0.94	2.30	0.0	8	24	6	1	Eastern State Hospital.
Williamsburg.	James City.	70	19	78.6	+1.8	94	11†	56	21	24	6.40	+0.94	2.30	0.0	8				
<i>North Carolina.</i>																			
Beaufort.	Carteret.	10	8	79.2		87	5†	68	19†	16	5.30		2.21	0.0	12	23	5	3	sw.
Belhaven.	Beaufort.	4	1	80.8		96	7	62	6	26	11.11		3.58	0.0	12	16	6	9	sw.
Brewers.	Wilkes.	1,950	13								3.19		1.25	0.0	15	18	10	3	sw.
Caroelen.	Rutherford.	806	10	79.0	+0.7	94	26†	63	22	28	3.19	-1.50	1.00	0.0	13	8	23	0	sw.
Chalybeate Springs.	Harnett.	500	4	78.0		94	11†	59	20	29	7.37		3.19	0.0	15	18	10	3	sw.
Chapel Hill.	Orange.	500	52								1.25		1.25	0.0	15				Prof. A. H. Patterson.
Charlotte.	Mecklenburg.	773	34	77.6	-1.1	93	11	60	20	24	3.12	-2.37	0.81	0.0	13	5	8	18	U. S. Weather Bureau.
Chimney Rock.	Rutherford.	1,150		73.8		92	29	50	21	35	3.57		1.05	0.0	15	15	12	4	w.
Clinton.	Sampson.	156	3	79.4		95	23	60	20	25	7.88		2.25	0.0	11	3	25	3	s.
Durham (near).	Durham.	406	1								2.20		0.57	0.0	7				Supt. Durham Water Co.
Eagleton.	Northampton.	66	5	78.8		93	2†	59	20	23	3.85		0.81	0.0	10	14	16	1	sw.
Edenton.	Chowan.	30	16	77.6	-2.0	96	3	59	6	24	5.59	-1.53	1.40	0.0	8	14	9	8	sw.
Enfield (near).	Halifax.	99									5.11	-1.71	1.26	0.0	15				H. D. Aller.
Fayetteville.	Cumberland.	170	33	79.2	+0.1	95	29	60	20	25	4.47	-2.71	0.57	0.0	15				W. S. Hopkins.
Goldsboro.	Wayne.	102	40	80.4	+0.6	98	3†	58	20	33	5.67	-0.84	1.20	0.0	15				W. L. Brewer.
Graham.	Alamance.	656	8								4.50		2.00	0.0	14				S. B. Tanner.
Greensboro.	Guildford.	843	29	78.8	+0.7	97	1	58	20†	31	3.58	-1.53	1.00	0.0	10				J. A. Smith.
Greenville.	Pitt.	75	17								5.11	-1.71	1.26	0.0	15				Prof. A. H. Patterson.
Hatteras.	Dare.	11	36	78.2	-0.4	86	12	66	19	15	1.44	-4.69	0.53	0.0	10	14	13	4	sw.
Henderson.	Vance.	508	17	78.0	-0.1	91	13†	57	20	22	3.38	-2.41	1.50	0.0	9	7	22	2	sw.
Kinston.	Lenoir.	46	12	79.9	-0.9	94	11†	62	20	25	7.09	+1.00	2.31	0.0	14	12	13	6	s.
Lenoir.	Caldwell.	1,186	37	77.5	+2.0	95	25†	53	20	32	3.18	-1.77	1.40	0.0	16	25	5	1	w.
Lexington.	Davidson.	810	19	78.6		96	13	51	20	35	3.19		0.95	0.0	7	16	11	4	s.
Lincolnton.	Lincoln.	994	5	76.8		92	13	56	20	27	3.20		0.86	0.0	8	17	11	3	sw.
Louisburg.	Franklin.	375	19	79.0	+0.9	93	11†	58	20	23	2.42	-2.95	0.60	0.0	8	13	15	3	s.
Lumberton.	Robeson.	102	27	79.6	-0.7	96	29	61	20	27	3.91	-2.03	0.77	0.0	16				sw.
Manteo.	Dare.	12	5	79.1		92	3†	64	8	19	3.48		2.73	0.0	10	13	11	7	sw.
Marion.	McDowell.	1,425	18	75.8	+0.2	97	29	53	20	32	6.10	+0.70	1.59	0.0	20	6	23	2	w.
Monroe.	Chatham.	145	16	78.9	+0.1	96	11†	60	19†	27	4.70	-0.24	1.67	0.0	14	13	6	12	sw.
Morganton.	Union.	586	16	77.9	-0.1	93	16	58	23	30	4.86	-0.37	1.55	0.0	11	15	11	5	sw.
Mt. Airy.	Burke.	1,135	23	76.6	+0.6	92	16†	53	20	28	1.93	-3.21	0.54	0.0	13	27	4	0	sw.
Mt. Holly.	Surry.	1,048	22	75.6	+0.4	91	15†	54	20†	31	6.09	+0.31	1.97	0.0	17	17	6	8	sw.
Nashville.	Gaston.	618	13								3.48	-2.88	0.78	0.0	14				Prof. A. H. Merritt.
New Bern.	Nash.	190	6	78.8		94	13†	59	20	26	5.43		2.20	0.0	12	10	11	10	s.
Pinehurst.	Craven.	12	28	73.4	-0.6	94	7	60	20	26	4.59	-3.05	1.07	0.0	13				General Office.
Pittsboro.	Moore.	650	6	78.8		94	13	59	20†	24	3.42		1.18	0.0	10	20	6	5	w.
Rock House.	Chatham.	480	19	79.6	+2.2	96	1	60	20	28	0.0		0.0	0.0	22	0	9	0	U. S. Weather Bureau.
Rockingham.	Wake.	390	39	78.3	-0.2	94	28	60	20	24	5.65	-0.46	2.53	0.0	12	8	12	11	sw.
Rocky Mount.	Randolph.	442	3	78.9		99	11	55	20	26	5.79		1.05	0.0	17	0	31	0	w.
Nash.	do.	810	5								5.89		2.12	0.0	12				sw.
Reidsville.	Rockingham.	828	11	78.2	+2.0	96	11	58	20	31	4.56	-0.68	1.20	0.0	13	16	7	8	sw.
Rocky Mount.	Macon.	3,100	18	69.4	-2.1	82	26	53	20	31	8.47	+0.10	1.69	0.0	20	8	17	6	sw.
Rocky Mount.	Richmond.	210	15	79.6	-0.5	94	2†	60	20	26	4.41	-2.15	1.15	0.0	9				E. M. Redd.
Nash.	Johnston.	225	2																

TABLE 1.—Climatological data for July, 1910. District No. 2—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.			Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeasured.	Number of rainy days, .01 inch or more.	Number of clear days.	Number of cloudy days.		
<i>South Carolina—Cont'd.</i>																			
Blairs.	Fairfield.	293	6								4.14		1.42	0.0	10	9	14	s.	John R. Ragsdale.
Bowman.	Orangeburg.	100	9	79.4		96	29	61	21	26	9.20		1.78	0.0	15	18	8	w.	B. O. Evans.
Calhoun Falls.	Abbeville.	508	17								5.55	+ 1.10	1.30	0.0	4	23	0	s.	M. L. Crisp.
Canzen.	Kershaw.	232	44								9.98	+ 4.98	2.74	0.0	12	16	8	sw.	W. C. Brown.
Catawba.	York.	562	5								5.13		1.48	0.0	13	13	12	6	Jas. C. Farns.
Chappells.	Newberry.	402	5								6.36		1.30	0.0	12	12	0	19	W. R. Zimmerman.
Charleston.	Charleston.	48	40	80.8	- 0.5	92	28	66	20	18	4.05	- 2.58	1.80	0.0	13	9	15	7	U. S. Weather Bureau.
Cheraw.	Chesterfield.	144	22	79.6	- 0.3	95	31	60	21	27	3.83	- 2.17	0.98	3.0	0	15	11	7	J. H. Powe.
Clemson College.	Oconee.	850	19	76.9	- 1.0	89	28	59	21	21	4.14	- 1.10	0.80	0.0	11	20	7	4	Prof. John N. Hook.
Columbia.	Richland.	351	23	70.1	- 1.0	94	10	60	21	22	5.25	- 0.81	1.69	0.0	15	1	18	12	U. S. Weather Bureau.
Conway.	Horry.	25	18	80.0	+ 0.2	95	7	60	23	28	8.55	+ 1.79	1.96	0.0	11	22	2	7	P. C. Quattlebaum.
Darlington.	Darlington.	175	15																D. C. McCall.
Dillon.	Dillon.	100	6	80.5	- 0.1	97	28	63 <sup>a</sup>	20	20 <sup>a</sup>	6.26	+ 0.50	1.47	0.0	15				A. E. Rowell.
Effingham.	Florence.	106	18								3.50	- 0.37	1.25	0.0	11	26	0	5	H. B. McCall.
Ferguson.	Berkeley.	51	2								5.58 <sup>d</sup>		1.01	0.0	10 <sup>b</sup>	24 <sup>c</sup>	0	3 <sup>d</sup>	Pierre Gaillard.
Florence.	Florence.	136	22	81.8	+ 0.4	99	28 <sup>a</sup>	62	20 <sup>a</sup>	29	6.02	+ 0.42	1.80	0.0	14	19	2	10	H. K. Gilbert.
Georgetown.	Georgetown.	12	17	80.4	- 0.1	91	9 <sup>a</sup>	65	20	18	3.69		1.34	0.0	5	4 <sup>a</sup>	25 <sup>b</sup>	1 <sup>a</sup>	A. P. Hazard.
Greenville.	Greenville.	989	18	76.7	+ 0.7	90	31	61	20	21	20.73	- 1.91	0.72	0.0	13	18	5	8	Mrs. S. A. Crittenden.
Greenwood.	Greenwood.	671	22	80.5	+ 0.5	99	11 <sup>a</sup>	59	20	28	5.46	+ 0.38	1.65	0.0	13	18	0	13	M. M. Calhoun.
Heath Springs.	Lancaster.	598	9	79.8	- 1.0	97	11	58	20	24	5.42		1.70	0.0	17	13	15	3	J. A. Weaner.
Jacksonboro.	Colleton.	13	2	79.3	- 1.0	93	20 <sup>a</sup>	64	20	21	8.32		2.47	0.0	15	2	20	9	W. E. Haskell, jr.
Kingstree.	Williamsburg.	54	22								7.00	+ 1.17	2.35	0.0	12	19	7	5	A. O. Matthews.
Liberty.	Pickens.	900	16	78.4	- 0.7	93	11 <sup>a</sup>	64	19	24	5.77	+ 0.37	1.10	0.0	16	7	22	2	Jno. T. Boggs.
Little Mountain.	Newberry.	711	17	77.2 <sup>d</sup>	- 2.8	95	60	21 <sup>a</sup>	25	25	8.85	+ 0.05	0.88	0.0	11	19	4	8	Dr. J. M. Sease.
Meriwether.	Edgefield.	1																W. S. Middleton.	
Newberry.	Newberry.	502	6	79.9	- 0.4	97	14	60	20	27	3.66	- 1.71	0.60	0.0	12	2	19	16	W. G. Peterson.
Pelzer.	Anderson.	873	5								2.98		0.78	0.0	10	14	4	13	John M. Ward.
Pinopolis.	Berkeley.	55	17															Miss E. P. Ravenel.	
St. George.	Dorchester.	109	22	81.2	+ 0.4	97	8	65	20 <sup>a</sup>	25	7.24	+ 1.26	1.20	0.0	17	27	0	4	G. F. Lewis.
St. Matthews.	Calhoun.	209	22	78.6	- 1.4	90	28 <sup>a</sup>	64	20 <sup>a</sup>	17	5.57	- 0.20	1.70	0.0	12	19	0	12	J. S. Wannamaker.
Saluda.	Saluda.	530	8	79.4 <sup>d</sup>		96 <sup>a</sup>	31	60 <sup>a</sup>	20	27	5.68		2.10	0.0	14	17 <sup>b</sup>	3 <sup>b</sup>	3 <sup>b</sup>	Alvin Etheridge.
Santuc.	Union.	512	15	79.9	+ 0.7	101	31	59	20	35	6.44	- 1.45	1.33	0.0	15	1	21	9	E. W. Jeter.
Smith Mills.	Williamsburg.	62	15								6.02	- 0.40	1.15	0.0	12	21	1	9	W. G. Walker.
Society Hill.	Darlington.	192	19	79.1	- 0.3	93	11	61	19 <sup>a</sup>	23	5.93	- 0.25	1.88	0.0	16	3	15	13	Major J. J. Lucas.
Spartaburg.	Spartanburg.	875	19	80.0	+ 0.7	98	11 <sup>a</sup>	59	20	31	3.69	- 0.89	0.85	0.0	13	10	0	21	F. P. Robinson.
Summerville.	Dorchester.	75	13	79.4	- 0.3	95	30	64	20 <sup>a</sup>	22	8.07	+ 1.63	2.07	0.0	21	1	27	3	Miss E. H. Gadsen.
Trenton.	Edgefield.	620	17								6.01	+ 1.34	2.39	0.0	12	13	3	25	C. A. Long.
Trial.	Berkeley.	85	23	78.1	- 1.0	92	13 <sup>a</sup>	62	20 <sup>a</sup>	25	8.17	+ 2.01	1.45	0.0	16	4	20	7	Etzell Gaillard.
Walterboro.	Colleton.	69	6	80.6		99 <sup>a</sup>	31	64 <sup>a</sup>	20 <sup>a</sup>	28	10.46		1.97	0.0	17	11	12	8	J. A. Westerberg.
Winnisboro.	Fairfield.	545	21	78.4	- 0.7	95	11	62	19 <sup>a</sup>	24	5.29	+ 1.08	2.50	0.0	10	4	17	0	John W. Seigler.
Winthrop College.	York.	600	11	79.0	- 0.8	93	7 <sup>a</sup>	60	20	24	5.88	+ 1.68	1.47	0.0	12	13	11	7	E. R. Rivers.
Yemassee.	Hampton.	23	15	79.4	- 2.0	95	67	63	21 <sup>a</sup>	27	0.07	+ 2.31	1.31	0.0	18	22	2	7	J. G. Hutson.
<i>Georgia</i> .	Wilcox.	7									5.77		1.48	0.0	13	10	3	18	W. H. Calhoun.
Abbeville.	Bartow.	772	18	78.4	- 0.2	93 <sup>a</sup>	10	60	21	28	3.39	- 2.03	0.89	0.0	16	2 <sup>a</sup>	26 <sup>a</sup>	2 <sup>a</sup>	Dr. J. P. Bowdoin.
Albany.	Dougherty.	230	25	81.4	- 1.5	97	29	63	21	25	5.08	- 0.59	1.02	0.0	15	13	6	9	Geo. C. Brosnan.
Allapaha.	Berrien.	293	21	82.2	+ 0.8	96	29	68	20	19	9.34	+ 3.59	2.82	0.0	15	4	20	7	James T. Austin.
Americus.	Sumter.	362	27	80.0	- 2.5	97 <sup>a</sup>	29	61	21	27	3.63	- 1.58	0.75	0.0	9	16	4	11	F. P. Harrold.
Athens.	Clarke.	694	33	78.3	0.0	93	15	61	20	25	7.24	+ 2.52	1.98	0.0	17	13	7	11	C. D. Cox.
Atlanta.	Fulton.	1,218	45	76.6	- 2.1	92	31	62	20	21	3.25	- 1.05	1.44	0.0	12	3	14	14	U. S. Weather Bureau.
Augusta.	Richmond.	180	44	79.4	- 2.4	95	31	63	20	21	4.71	- 0.12	1.27	0.0	17	2	18	11	U. S. Weather Bureau.
Bainbridge.	Decatur.	119	18	79.3	- 2.5	98	29 <sup>a</sup>	65	21	26	6.25	- 0.21	1.70	0.0	21	17	2	12	Mrs. C. O. Wimberley.
Barneville.	Pike.	875	2	77.8	- 2.5	93	15	62	20	21	8.17		1.09	0.0	17				Prof. T. O. Galloway.
Blakely.	Early.	300	19	82.0 <sup>d</sup>	+ 0.3	104 <sup>a</sup>	15	62 <sup>a</sup>	21	38 <sup>a</sup>	7.61	+ 0.44	1.48	0.0	11	5 <sup>c</sup>	15 <sup>c</sup>	8 <sup>c</sup>	Ralph M. Hobbs.
Butler.	Taylor.	650	8								5.66		0.95	0.0	12	7	11	13	Mrs. Mamie F. Wallace.
Camak.	Warren.	613	17	78.8	- 1.8	99	31	57	20	31	5.77	+ 1.23	1.40	0.0	10	3	10	18	J. A. Chapman.
Canton.	Cherokee.	894	17	78.8	- 1.8	99	31	57	20	31	5.77	+ 1.23	1.40	0.0	10				G. W. Evans.
Carlton.	Madison.	557	11								5.43	+ 0.82	1.16	0.0	11	12	1	18	M. C. Power.
Clayton.	Rabun.	2,100	17	74.5	+ 0.1	89	11 <sup>a</sup>	58	21	26	6.32	- 1.41	2.00	0.0	11	12	1	18	A. J. Duncan.
Columbus.	Muscogee.	262	23	79.9	- 1.3	97	31	62	21	25	5.00	- 1.02	1.27	0.0	15	17	4	10	A. J. Land.
Covington.	Newton.	800	17								6.05	- 1.32	2.10	0.0	10	17	6	8	Mrs. Sarah E. Cruse.
Cuthbert.	Randolph.	446	11	78.7	- 2.2	94	13 <sup>a</sup>	65	24	25	4.89		1.00	0.0	13	11	16	4	Prof. W. McMichael.
Dahlonega.	Lumpkin.	1,519	18	75.8	+ 0.3	92	31	60	20	29	5.13	- 0.87	1.43	0.0	19	19	2	24	Prof. B. P. Gaillard.
Diamond.	Gilmer.	2,020	23	73.1	- 1.4	90	15	57 <sup>a</sup>	20 <sup>a</sup>	35	5.24	- 1.47	0.95	0.0	18	8 <sup>b</sup>	11 <sup>b</sup>	10 <sup>b</sup>	R. A. Kimzey.
Dublin.	Laurens.	452	16								3.58	- 1.94	0.52	0.0	12	19	0	12	Mrs. E. M. Martin.
Dudley.	do.	8		79.8	- 0.4	94	11 <sup>a</sup>	62	21	24	5.02		1.10	0.0	11	24	2	22	Miss A. M. Bohannon.
Eastman.	Dodge.	361	19	81.6	- 0.4	99	14	63	21	30	4.81	- 1.31	0.81	0.0	15	8	7	16	Prof. W. C. Wright.
Eatonont.	Putnam.	7		77.4 <sup>d</sup>		94 <sup>a</sup>	30	58 <sup>a</sup>	20	29									

TABLE I.—Climatological data for July, 1910. District No. 2—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.				Precipitation, in inches.				Number of rainy days or more.	Number of part- ly cloudy days.	Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unusually.					
<b>Georgia—Cont'd.</b>																			
Point Peter.	Oglethorpe.	1,000	21	76.9	- 2.4	91	14†	59	20	23	6.02	+ 0.94	1.09	0.0	15	5	19	7 sw.	
Poulan.	Worth.	365	19	79.9	- 0.1	96	29	62	20	26	8.22	+ 1.66	2.78	0.0	18	6	15	10 sw.	
Putnam.	Marion.	11	78.0	95	10†	58	21	31	4.60	+ 0.65	1.00	0.0	7	2	20	9 s.			
Quitman.	Brooks.	173	26	80.0	- 1.6	96	29	65	21	23	8.64	+ 1.02	2.90	0.0	14	22	1	8 sw.	
Ramsey.	Murray.	1,363	17	75.0	- 2.4	87	25	61	21	17	7.98	+ 2.85	1.58	0.0	19	7	16	8 sw.	
Rebecca.	Gordon.	657	17	75.0	- 2.4	87	25	61	21	4.20	- 0.04	1.10	0.0	11	10	7	14 s.		
Rome.	Floyd.	576	55	78.5	- 1.4	94	25	60	19	28	3.64	- 0.31	0.86	0.0	15	10	7	14 s.	
St. George.	Charlton.	4	80.0	96	14	63	21	30	5.94	.....	0.97	0.0	15	17	12	2 sw.			
St. Marys.	Camden.	20	19	80.4	- 1.3	97	29	64	21	25	6.08	- 0.84	2.31	0.0	13	6	14	9 sw.	
Savannah.	Chatham.	65	60	80.4	- 1.3	97	29	64	21	25	6.08	- 0.84	2.31	0.0	13	6	14	9 sw.	
Statesboro.	Bulloch.	253	10	82.3	+ 0.6	100	12†	65	21	23	8.46	- 2.68	1.11	0.0	13	9	20	2 s.	
Talbotton.	Talbot.	750	17	78.6	- 0.9	97†	15†	58	21	31	4.48	- 1.00	0.77	0.0	16	9*	9*	12 sw.	
Tallapoosa.	Haralson.	1,150	18	77.2	- 1.1	93	31	57	21	30	5.20	+ 0.19	1.65	0.0	13	11	2	11 ne.	
Thomasville.	Thomas.	273	27	80.4	- 1.0	98	29	66	21	28	4.71	- 2.11	1.04	0.0	19	7	17	7 s.	
Toccoa.	Stephens.	1,050	25	81.6	.....	91	31	61	21	28	6.51	+ 0.77	2.00	0.0	16	17	0	14 w.	
Valdosta.	Lowndes.	219	5	81.6	.....	99	15†	65	21	28	6.37	.....	1.35	0.0	10	19	0	12 e.	
Valona.	McIntosh.	10	10	80.8	+ 0.5	95	15†	63	21	23	14.05	+ 7.49	8.60	0.0	12	19	11	1 sw.	
Washington.	Wilkes.	630	23	79.2	- 1.2	96	11†	60	20	27	7.40	+ 2.43	1.43	0.0	14	10	10	11 sw.	
Waycross.	Ware.	131	21	81.6	- 0.6	98	15†	64	21	26	5.98	+ 0.01	2.00	0.0	16	23	4	4 sw.	
Waynesboro.	Burke.	86	19	79.9	- 1.0	99	31	61	22	31	3.81	- 1.63	1.90	0.0	12	17	6	8 w.	
West Point.	Troup.	620	27	79.4	- 2.3	97	15	60	21	27	6.16	+ 1.54	1.42	0.0	14	9	3	19 w.	
Woodbury.	Meriwether.	641	10	75.6	.....	91	15	.....	.....	30	5.65	+ 1.53	2.44	0.0	8	4	7	20 sw.	
<b>Florida.</b>																			
Apalachicola.	Franklin.	24	5	80.5	.....	92	29†	70	1†	18	8.60	.....	2.49	0.0	3	9	18	4 sw.	
Arcadia.	De Soto.	61	8	79.9	.....	95	2†	65	9†	30	7.79	.....	1.25	0.0	24	9	13	9 w.	
Archer.	Alachua.	92	24	94	15	.....	.....	.....	.....	8.28	- 0.63	1.50	0.0	21	3	21	7 se.		
Avon Park.	De Soto.	150	11	94	18	.....	.....	.....	.....	9.04	+ 0.83	2.06	0.0	20	3	21	7 se.		
Bartow.	Polk.	115	13	94	18	.....	.....	.....	.....	.....	.....	.....	.....	0.0	0	0	0		
Blountstown.	Calhoun.	2	13	94	18	.....	.....	.....	.....	.....	.....	.....	.....	0.0	0	0	0		
Bonifay.	Holmes.	111	8	79.4	.....	97	30	61	3	24	3.98	.....	1.79	0.0	6	0	4	27 s.	
Brooksville.	Hernando.	128	17	80.6	- 0.1	96	13	63	23	26	5.75	- 4.40	1.19	0.0	12	9	19	3 w.	
Carabelle.	Franklin.	10	13	94	18	.....	.....	.....	.....	.....	.....	.....	.....	0.0	0	0	0		
Cedar Keys.	Levy.	10	12	82.2	+ 0.1	92	5†	69	22	21	6.28	- 2.47	1.66	0.0	14	18	0	13 w.	
Clermont.	Lake.	105	16	81.4	- 1.5	98	8	67	21	28	10.05	+ 3.42	3.30	0.0	14	2	27	0 e.	
Defuniak Springs.	Walton.	193	14	78.8	- 1.7	97	30	60	1†	27	14.35	+ 7.34	2.00	0.0	15	9	13	9 sw.	
DeLand.	Volusia.	27	13	78.5	- 1.9	90	17	67	9†	21	6.76	.....	1.47	0.0	21	3	27	se.	
Eustis.	Lake.	56	17	81.6	- 0.6	97	5	67	10	25	12.73	+ 5.73	2.14	0.0	22	1	19	11 s.	
Federal Point.	Putnam.	5	17	81.0	+ 0.1	95	15	67	24	25	7.28	+ 0.34	2.05	0.0	16	8	22	1 sw.	
Fen holloway.	Taylor.	75	3	79.6	.....	94	7†	80	4	22	9.50	.....	2.50	0.0	10	5	17	9 sw.	
Fernandina.	Nassau.	10	12	79.6	- 1.7	94	16	67	21	22	2.17	- 4.17	0.50	0.0	13	18	6	7 se.	
Fort Meade.	Polk.	125	17	80.2	- 0.1	98	6	65	15	29	8.14	- 0.75	1.86	0.0	15	11	13	7 sw.	
Fort Myers.	Lee.	12	17	79.2	- 1.6	90	5†	67	15	20	9.27	+ 1.07	1.44	0.0	18	12	1	1 se.	
Fort Pierce.	St. Lucie.	6	18	78.4	- 2.9	94	18	66	15†	25	6.28	+ 0.43	1.64	0.0	13	23	2	6 se.	
Gainesville.	Alachua.	176	23	79.8	- 1.5	93	9	68	20†	23	23	6.89	- 0.60	0.90	0.0	23	13	8	10
Gramscere.	Orange.	175	13	80.1	- 2.2	94	12	67	23	25	5.98	.....	1.30	0.0	19	15	1	1	
Hilliard.	Nassau.	69	1	80.4	.....	96	29	64	3	25	5.66	.....	1.10	0.0	9	17	7	7	
Homestead.	Dade.	5	17	93	17	.....	.....	.....	.....	4.74	.....	1.23	0.0	16	3	23	5 se.		
Huntington.	Putnam.	56	12	81.8	+ 0.7	97	18	67*	21	27	5.30	- 0.20	1.78	0.0	17	2	22	7 se.	
Hypoluxo.	Palm Beach.	4	9	81.8	+ 0.7	97	18	67*	21	27	5.30	- 0.20	1.78	0.0	17	2	22	7 se.	
Inverness.	Citrus.	43	8	79.0	.....	90	4†	69	23	20	13.86	+ 2.91	4.29	0.0	15	9	15	7 sw.	
Jacksonville.	Duval.	101	37	81.0	+ 0.1	95	29	60	20	26	6.13	- 0.07	2.03	0.0	15	9	15	7 sw.	
Jasper.	Hamilton.	152	11	84.2	.....	98	7†	67	27	28	8.52	+ 1.84	2.00	0.0	10	10	10	10	
Johnstown.	Bradford.	125	14	80.4	- 1.0	96	5	67	24	27	7.63	- 0.35	1.20	0.0	19	5	22	3	
Jupiter.	Palm Beach.	34	21	80.2	- 0.8	89	19	67	28	19	4.99	- 0.38	1.42	0.0	11	11	20	0 se.	
Key West.	Monroe.	14	38	82.8	- 0.9	90	31	71	19	18	2.57	- 1.02	1.09	0.0	12	14	9	8 e.	
Kissimmee.	Osceola.	65	17	82.0	0.0	96	23	68	10	26	10.52	+ 3.32	2.18	0.0	16	1	25	5 sw.	
Lake City.	Columbia.	210	20	79.4	- 1.7	94	20	67	12†	26	8.23	+ 0.29	1.20	0.0	15	1	20	10 se.	
Live Oak.	Suwanee.	100	8	82.4	.....	98*	1	69*	20†	21	14.79	+ 8.58	5.30	0.0	16	0	0	0	
Macclenny.	Baker.	125	13	81.4	.....	97	29	66	20	26	3.95	+ 2.35	2.65	0.0	17	0	15	10 se.	
Madison.	Madison.	200	6	80.6	.....	97	29	65	21	30	5.30	- 3.38	1.88	0.0	11	28	2	1 se.	
Malabar.	Brevard.	24	8	80.6	.....	97	17†	65	21	30	5.05	.....	1.81	0.0	0	0	0	0	
Manatee.	Jackson.	8	17	97.9	.....	96	30	66	21†	24	8.20	.....	4.08	0.0	15	18	5	8 sw.	
Merits Island.	Brevard.	20	30	79.7	- 1.7	92	17	68	21	17	3.92	- 1.67	1.27	0.0	11	2	29	0 se.	
Miami.	Dade.	5	13	81.6	- 0.6	92	1†	69	20†	22	5.12	- 1.97	1.32	0.0	12	11	14	6 se.	
Miami! (Subtrop. Gar.)	do.	5	17	94.2	.....	98*	29	67*	14†	28	5.15	.....	1.40	0.0	11	3	22	4 se.	
Middleburg.	Clay.	10	8	81.2	.....	98*	29	67*	14†	28	5.15	.....	1.40	0.0	11	3	22	4 se.	
Mollino.	Escambia.	49	8	79.2	.....	102	30	66	19†	29	7.63	.....	3.50	0.0	12	10	9	8 s.	
Monticello.	Jefferson.	207	4	80.7	.....	98	29†	66	21	27	2.80	.....	1.25	0.0	4	16	6	9 s.	
Mount Pleasant.	Gadsden.	280	5	79.9	.....	98	30	65	17	26	10.73	.....	2.15	0.0	19	5	28	0 s.	
Newport.	Wakulla.	8	8	78.6	.....	92	29	64	23	20	6.80	+ 0.66	1.51	0.0	8	15	8	8 sw.	
New Smyrna.	Volusia.	9	21	77.8	- 2.7	94	1	63	S1</td										

TABLE 1.—Climatological data for July, 1910. District No. 2—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.					Precipitation in inches.					Sky.	Prevailing wind direction.	Observers.					
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unadjusted.	Number of rainy days, 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>Alabama—Cont'd.</i>																					
Birmingham.	Jefferson.	700	22	77.5	- 2.3	90	29	63	21	21	10.80	+ 6.10	2.56	0.0	17	1	15	15	s.	U. S. Weather Bureau.	
Calera.	Shelby.	500	9	77.8	.....	94	151	58	21	29	8.91	.....	0.85	0.0	14	12	4	15	w.	L. G. Privett.	
Camp Hill.	Tallapoosa.	738	9	77.8	.....	94	151	58	21	29	3.12	.....	2.00	0.0	12	16	9	6	sw.	Dr. Lyman Ward.	
Cedar Bluff.	Cherokee.	584	6	.....	.....	95	30	67	28	22	6.60	+ 0.43	1.04	0.0	7	8	23	0	.....	Joe L. Daniel.	
Citronelle.	Mobile.	331	22	79.1	- 1.8	93	11†	62	21	23	8.54	+ 3.94	1.70	0.0	17	6	11	5	s.	George A. Maloney.	
Clanton.	Chilton.	590	17	78.4	- 1.4	92	11†	62	21	23	8.54	+ 3.94	1.30	0.0	9	13	4	14	sw.	Wallace C. Edler.	
Cochrane.	Pickens.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.30	0.0	10	11	11	5	sw.	E. L. Rose.	
Cordova.	Walker.	334	19	78.6	- 0.5	94	28†	58	21	27	6.76	+ 1.63	1.60	0.0	16	7	12	12	s.	Scott Maxwell.	
Cullman.	Cullman.	802	2	76.2	.....	92	29	57	21	27	6.97	.....	1.12	0.0	20	14	13	4	w.	Eugene A. Grayot.	
Dadeville.	Tallapoosa.	760	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.65	0.0	12	10	11	11	sw.	Dr. W. B. Fulton.	
Daphne.	Baldwin.	19	79.6	- 1.3	94 <sup>b</sup>	29†	66 <sup>b</sup>	17	21 <sup>b</sup>	12.10	+ 5.17	3.20	0.0	18	7	11	13	13	sw.	John H. Young.	
Demopolis.	Marengo.	18	.....	.....	.....	.....	.....	.....	.....	.....	7.36	+ 3.31	1.16	0.0	15	11	14	6	s.	George E. Pegram.	
Eufaula.	Barbour.	200	26	78.0	- 2.6	94	28†	60	21	25	9.00	+ 2.72	2.40	0.0	18	7	11	13	sw.	Dr. J. B. Whitlock.	
Evergreen.	Conecuh.	285	26	78.8	- 0.7	96	29†	64	30	32	8.01	+ 1.84	2.10	0.0	16	6	6	25	s.	Robert L. Whitecomb.	
Flomaton.	Escambia.	91	18	80.2	- 0.7	95	30	67	3	25	6.73	+ 0.58	1.28	0.0	15	11	14	6	s.	T. J. Farris.	
Fort Deposit.	Lowndes.	520	26	78.8	- 1.4	96	11	64	21	24	11.24	+ 6.37	3.60	0.0	14	12	9	10	n.	J. F. Hattemer.	
Gadsden.	Etowah.	621	26	78.0	- 1.6	100	15	59	21	29	4.48	- 0.04	0.80	0.0	15	6	5	20	sw.	D. P. Goodhue.	
Goodwater.	Coosa.	826	15	77.4	- 3.0	93	15	60	20†	28	5.20	- 0.18	1.65	0.0	11	22	0	9	sw.	D. S. Brown.	
Greensboro.	Hale.	220	31	80.0	- 0.3	93	15†	66	21	20	8.41	+ 4.63	2.43	0.0	13	7	9	15	sw.	W. E. W. Verby.	
Greenville.	Butler.	444	9	.....	.....	.....	.....	.....	.....	.....	5.14	.....	1.59	0.0	9	23	0	8	.....	E. M. Lewis.	
Hamilton.	Marion.	14	76.4	- 2.9	94	29	58	1	30	7.07	+ 2.92	1.00	0.0	13	10	5	16	w.	Prof. H. O. Sargent.		
Highland Home.	Crenshaw.	18	78.4	- 1.4	94	30	64	21	24	7.94	+ 2.60	1.85	0.0	14	14	5	12	s.	Prof. Samuel Jordan.		
Livingston.	Sumter.	160	26	80.0	- 1.3	95	10	66	21†	25	4.74	+ 0.28	1.10	0.0	11	11	1	12	e.	Robert L. King.	
Lock No. 4.	Talladega.	510	13	78.2	- 2.0	93	28	55	21	25	4.30	- 0.78	0.80	0.0	13	16	1	14	w.	U. S. Engineers.	
Lucy.	Houston.	5	79.8	.....	98	30	63	21	29	0.86	.....	1.83	0.0	16	5	23	3	sw.	A. L. Crosby.		
Maple Grove.	Cherokee.	17	78.6	- 0.6	96	25	60	20	33	7.15	+ 2.38	2.41	0.0	13	3	24	4	sw.	Mrs. A. L. Awbrey.		
Mentone.	DeKalb.	1,595	3	.....	.....	.....	.....	.....	.....	.....	4.87	.....	1.85	0.0	9	8	6	17	w.	E. Mason.	
Milstead.	Mobile.	7	.....	.....	.....	.....	.....	.....	.....	.....	3.90	.....	1.20	0.0	11	7	18	6	e.	Evie Oswalt.	
Mobile.	Mobile.	57	38	80.2	- 0.3	95	29	68	16	22	11.70	+ 4.66	5.31	0.0	17	0	24	7	s.	U. S. Weather Bureau.	
Montgomery.	Montgomery.	240	38	79.2	- 1.8	94	15	65	21	20	10.27	+ 5.59	4.89	0.0	15	6	19	6	sw.	Do.	
Newbern.	Hale.	17	79.9	.....	95	11†	62	21	26	9.12	+ 5.03	3.40	0.0	17	4	22	5	sw.	Dr. J. Huggins.		
Oneonta.	Blount.	857	16	75.9	- 1.9	92	29	59	20	26	6.40	+ 0.29	1.61	0.0	23	2	3	26	s.	Aquila J. Ketchum.	
Opelika.	Lee.	817	31	78.4	- 2.0	95	91	55	21	33	8.24	+ 3.21	2.25	0.0	12	10	5	16	sw.	A. H. Read, jr.	
Osark.	Dale.	400	8	79.4	.....	96	29	64	21	24	5.77	.....	2.00	0.0	10	13	12	6	s.	Miss Lucy Sellers.	
Prattville.	Autsauga.	281	10	78.8	- 1.7	95	10†	64	22	25	4.94	.....	0.82	0.0	13	10	18	3	w.	Jos. B. Bell.	
Pushmataha.	Choctaw.	19	81.4	+ 0.5	100	16	63	21	32	6.82	+ 1.96	2.48	0.0	16	8	12	11	sw.	E. A. Carr.		
Selma.	Dallas.	147	30	78.6	- 3.0	95	15	59	21	28	8.04	+ 2.47	1.52	0.0	16	11	14	6	w.	Charles F. Brislin.	
Spring Hill.	Mobile.	312	6	.....	.....	.....	.....	.....	.....	.....	6.49	+ 1.95	2.30	0.0	12	11	10	10	e.	Spring Hill College.	
Talladega.	Talladega.	554	20	79.0	.....	96	15†	63	21†	26	8.46	+ 4.10	1.76	0.0	17	12	4	15	sw.	Dr. Charles S. Northen.	
Tallassee.	Elmore.	19	77.8	- 3.6	94	11†	63	21	26	8.09	+ 4.03	2.25	0.0	17	20	3	8	s.	J. G. Forster.		
Thomasville.	Clarke.	385	19	77.8	.....	91	15†	61	21	20	7.67	.....	2.72	0.0	13	11	15	5	sc.	G. S. Twitwiler.	
Troy.	Pike.	581	2	77.8	.....	95	29†	62	21	26	7.48	+ 3.11	1.50	0.0	17	15	0	16	s.	W. S. Wyman, jr.	
Tuscaloosa.	Tuscaloosa.	230	29	80.0	- 1.3	96	29†	62	21	26	31	.....	1.41	0.81	0.0	11	20	27	4	s.	Prof. George W. Carver.
Tuskegee.	Macon.	10	79.8	- 2.0	98	15	60	21	21	31	3.24	.....	0.81	0.0	11	19	1	30	w.	P. L. Cowan.	
Union Springs.	Bullock.	216	23	79.0	- 2.3	98	34	62	21	22	6.58	+ 1.23	1.25	0.0	19	1	22	0	w.	F. D. Stevens.	
Uniontown.	Perry.	273	24	78.7	- 2.3	93	11†	64	21	22	9.18	+ 4.21	5.29	0.0	12	12	18	1	sw.	M. T. Floyd, M. D.	
Valley Head.	DeKalb.	1,031	25	77.0	- 0.1	94	29	58	23	32	6.78	+ 1.63	1.47	0.0	11	2	29	0	s.	U. S. Engineers.	
Wetumpka.	Elmore.	205	18	79.0	- 2.9	94	11†	61	22	27	5.01	+ 0.13	1.45	0.0	10	14	0	17	s.	J. B. Thompson.	
<i>Mississippi.</i>																					
Aberdeen.	Monroe.	210	23	79.5	- 1.1	95	29	62	19	26	8.41	+ 3.79	3.46	0.0	14	13	6	12	s.	L. D. Godfrey, jr.	
Agricultural College.	Oktibbeha.	424	20	78.8	- 2.3	95	29	62	19	26	8.67	+ 4.04	2.00	0.0	14	8	12	11	w.	E. R. Lloyd.	
Bay St. Louis.	Hancock.	28	17	81.0	- 0.4	94	30†	69	24	20	7.67	+ 0.79	2.19	0.0	14	15	11	5	s.	Brother Stanislaus.	
Biloxi.	Harrison.	24	19	82.2	+ 0.3	97	29†	69	25	21*	8.78	+ 2.31	4.00	0.0	11	11	11	7*	sw.	Miss M. Josie Pope.	
Booneville.	Prentiss.	504	16	78.4	- 1.2	98	29	56	20	28	9.85	+ 5.25	2.96	0.0	13	1	25	5	s.	Dr. D. T. Price.	
Brookhaven.	Lincoln.	500	22	80.4	- 1.2	98	29	64	20	27	5.37	- 0.12	1.38	0.0	10	9	10	12	se.	W. J. Bee.	
Columbia.	Marion.	110	6	.....	.....	.....	.....	.....	.....	.....	7.44	.....	1.34	0.0	17	12	8	11	sw.	N. R. Drummond.	
Columbus.	Lowndes.	191	22	80.4	- 1.8	98	13	62	22	28	5.10	+ 0.34	0.97	0.0	12	9	9	15	sw.	J. B. Love.	
Crystal Springs.	Copiah.	468	18	78.2	- 1.3	94	29	65	20	21	7.54	+ 1.61	2.57	0.0	13	18	13	0	sw.	D. H. Miller.	
Edinburg.	Leake.	244	2	79.8	.....	97	30	61	1	28	1.40	.....	0.26	0.0	13	5	19	7	s.	J. Y. Blocker.	
Enterprise.	Clarke.	248	5	.....	.....	.....	.....	.....	.....	.....	6.61	.....	1.00	0.0	16	1	26	4	sw.	J. B. Thompson.	
Fulton.	Itawamba.	1	.....	.....	.....	.....	.....	.....	.....	.....	8.76	.....	2.24	0.0	13	10	5	16	sw.	A. L. Summers.	
Hattiesburg.	Forest.	189	17	81.4	- 0.8	97	30	67	1	25	4.59	- 0.28	1.00	0.0	10	15	5	11	s.	T. C. Spence.	
Hazlehurst.	Copiah.	460	20	79.2	- 1.7	96	29	63	20	26	4.65	.....	1.25	0.0	7	12	12	12	s.	J. D. Granberry.	
Hickory.	Newton.	326	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.57	0.0	11	8	11	12	s.	A. C. Hailey.	
Jackson.	Hinds.	280	23	80.4	- 0.9	97	30	64	20	24	4.77	+									

TABLE 2.—*Daily precipitation for July, 1910. District No. 2, South Atlantic and east Gulf States.*

Stations.	River basins.	Day of month.																														Total.				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
<i>Virginia.</i>																																				
Arvonia	James	T.	.95	.65	.06	.05					20	1.46	1.74	.08	.29	.48	1.36	T.															.03	.03	7.38	
Ashland	do		1.43	.10	.14	.24	.93					1.11	.06																							5.53
Buchanan	do		.42	.99	.49	.30	.06																												4.21	
Callville	Chowan																																		4.24	
Cape Henry	Coast		1.20	T.	28	T.																												5.08		
Charlottesville	James		.30	.81	T.	1.10					22	1.02	23	1.47	1.43	.62	.70																	.05	7.95	
Clarkesville	Roanoke		.74	.21	.10																													1.93		
Columbia	James		1.20	.30							30	.53	.49																					5.79		
Danville	Roanoke	T.	.33	.05	T.	T.																												.81	3.55	
Diamond Springs	Coast		.10	.75	.63	.08																												4.67		
Hampton	do		.51	.95		.24	.27	.05																										3.90		
Hot Springs	James		.06	1.53	.02	.06	.60	.42																									7.58			
Ivor	Chowan		.45	.14		.27	.58	.50																									6.47			
Lassiter	James		.15	.33				.05																									5.80			
Lexington	do		.07	.06	.98	T.	.48	.17	.03	T.	.17																					.01	.04	3.27		
Lynchburg	do		.06	.01	T.	.28	.08		T.	1.26	T.	.11	.12	.01	.79	.14	.13																	4.19		
New Castle	do		.04	.11	.21	.29	.63	.52	.49		.24	.07	.15	.36																			7.65			
Newport News	Coast																																	7.00		
Norfolk	do		.79	.06		1.10	T.																											6.16		
Petersburg	James																																		1.94	
Randolph	Roanoke	T.	.60	.01																														6.40		
Richmond	James		.52	.50		.60	.10																										4.85			
Rocky Mount	Roanoke																																	2.79		
Saxe	do		.77	.28																														2.35		
Spottsville (near)	Chowan		2.04	T.																														7.35		
Williamsburg	James		1.05																															6.40		
<i>North Carolina.</i>																																				
Beaufort	Bogue Sound		.12																																5.30	
Belhaven	Pungo																																		11.11	
Brewers	Pedee																																		3.19	
Carocean	Santee		.25	.25	.09	1.00	.05	.43	.23	.31		.01		.39	.01	T.																	3.19			
Chalybeate Springs	Cape Fear	T.	.06	.04	.53	.35	.56																										7.37			
Chapel Hill	do																																		3.12	
Charlotte	Santee		.03	T.	T.	.47		.05	.04	.77	.06																							3.57		
Chimney Rock	do		.08	.04	.03	.08	.40	.40	1.05	.02	.30																						7.88			
Clinton	Cape Fear	T.																																2.20		
Durham (near)	Neuse		.57	.32	.06	.46																												1.15		
Eagleton	Chowan		.67	.46	.67	.33																												3.85		
Edenton	Albemarle Sound		1.40																																5.59	
Enfield (near)	Tar																																		3.19	
Fayetteville	Cape Fear		.50																																4.47	
Goldsboro	Neuse	T.																																	5.67	
Graham	Cape Fear		.28	.15	.03	.33	.03	.15																										4.50		
Greensboro	do																																		3.58	
Greenville	Tar																																		5.11	
Hatteras	Pamlico Sound		.05																																1.44	
Henderson	Tar and Roanoke		.42	.10	.31	.50	.20																										3.38			
Kinston	Neuse																																		7.69	
Lenoir	Santee		.60	.06	1.40	.06	.22																									3.18				
Lexington	Pedee																																	3.19		
Lincolnton	Santee		.02																															3.29		
Lumberton	Tar																																	2.42		
Manteo	Lumber		.03	T.	.08	.74	.05	.25	.34	.11																						3.91				
Marion	Roanoke Sound																																	7.68		
Moncure	Santee		.05	.02	.01	.37	.59	.16	.76	.72	.18	.04	.30	.01	.29																6.10					
Monroe	Cape Fear		.08	.12																													4.70			
Morganton	Pedee		1.55	.17																														4.86		
Mount Airy	Santee		.17	.15	.24	.44	.47	.09	.45	T.	.12																									

TABLE 2.—*Daily precipitation for July, 1910. District No. 2—Continued.*

TABLE 2.—*Daily precipitation for July, 1910. District No. 2—Continued.*

TABLE 2.—*Daily precipitation for July, 1910. District No. 2—Continued.*

TABLE 3.—Maximum and minimum temperatures at selected stations, July, 1910. District No. 2, South Atlantic and east Gulf States.

Date.	Virginia.								North Carolina.																Charleston, S. C.				
	Lynchburg.		Norfolk.		Richmond.		Saxe.		Charlotte.		Edenton.		Fayetteville.		Hatteras.		Newbern.		Raleigh.		Reidsville.		Salisbury.		Wilmington.				
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
1...	91	66	87	72	89	71	90	69	89	68	90	70	93	71	83	73	91	68	93	71	95	67	94	68	86	71	87	76	
2...	92	69	89	74	90	72	91	70	85	70	92	70	92	71	84	76	90	69	90	71	93	69	92	70	89	71	87	75	
3...	89	72	91	75	92	74	90	72	84	68	96	73	90	72	84	76	91	71	90	72	92	70	92	71	86	75	86	78	
4...	84	71	87	70	88	69	87	71	84	70	94	73	90	73	84	75	90	71	89	72	88	71	92	73	87	73	87	73	
5...	81	68	75	68	80	65	80	67	83	66	82	68	88	70	82	71	89	69	79	70	79	67	78	72	86	71	92	78	
6...	78	67	78	64	81	62	82	66	87	69	82	72	85	59	87	69	80	68	86	65	86	68	82	67	91	69	85	70	76
7...	87	71	89	68	87	68	86	70	86	72	84	68	91	69	84	69	94	68	90	70	85	70	90	69	90	74	88	79	
8...	91	70	88	72	91	68	90	70	89	71	87	71	88	71	83	73	90	70	85	70	93	69	92	68	86	72	88	72	
9...	94	60	91	72	92	68	91	70	89	69	90	71	91	70	84	76	90	68	91	70	90	67	92	68	87	71	89	72	
10...	91	70	91	74	92	71	91	71	90	70	90	71	90	72	84	76	91	71	92	71	93	69	96	70	88	75	89	77	
11...	93	68	93	75	91	73	92	70	93	71	91	72	93	70	84	76	91	72	92	70	96	66	97	69	87	74	87	77	
12...	90	68	92	72	92	71	90	70	87	71	89	68	90	69	86	75	91	70	89	69	93	70	87	76	88	78	89	78	
13...	90	72	91	72	91	70	91	73	90	71	91	68	91	72	85	75	92	71	91	69	93	71	92	72	89	75	89	77	
14...	80	71	88	72	83	70	86	70	89	71	82	68	87	70	82	73	80	68	84	70	90	60	94	71	89	78	89	75	
15...	90	69	88	72	90	69	90	71	90	70	86	68	91	69	84	75	88	66	91	69	96	66	99	90	90	71	92	75	
16...	90	70	92	74	91	73	92	71	90	90	90	67	92	72	85	76	91	69	92	72	94	69	94	70	92	72	91	75	
17...	86	67	87	71	85	68	89	69	86	70	80	68	89	73	84	76	90	71	87	70	89	70	92	75	88	75	89	75	
18...	87	58	76	67	69	60	72	60	78	63	86	65	79	65	82	74	87	71	74	63	74	50	80	63	69	88	72	87	
19...	77	59	73	66	76	61	78	60	74	61	73	63	72	63	74	72	72	63	72	62	78	59	81	60	63	65	74	68	
20...	80	57	75	64	79	60	81	55	60	60	77	61	81	60	76	78	73	60	79	60	83	58	85	57	76	70	66		
Mns	86.9	67.6	86.1	70.7	87.1	68.5	88.1	67.8	86.6	68.6	87.2	67.0	88.8	60.5	82.9	73.4	88.3	68.4	87.1	69.5	89.5	66.9	91.3	68.1	86.2	71.9	87.0	74.5	

Date.	South Carolina.								Georgia.																Savannah.			
	Columbia.		Conway.		Georgetown.		Greenville.		Newberry.		Society Hill.		Trial.		Adairsville.		Albany.		Atlanta.		Augusta.		Dahlonega.		Macon.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1...	87	60	92	71	88	73	81	68	87	69	88	70	89	69	85	68	82	69	79	68	83	72	78	63	83	71	89	69
2...	87	71	93	71	89	74	81	69	88	70	89	72	89	73	85	69	90	71	81	63	84	74	79	68	84	72	88	72
3...	87	70	91	71	94	76	79	67	88	70	82	73	83	73	87	70	86	72	83	63	85	60	84	67	84	68	86	72
4...	84	71	91	73	89	73	81	68	86	70	82	72	83	73	83	70	86	69	86	71	84	73	83	67	84	68	86	72
5...	89	70	94	71	91	73	85	70	89	70	88	70	89	70	89	69	92	70	86	69	89	70	81	68	88	71	93	73
6...	93	70	95	71	89	73	94	68	91	69	89	72	91	70	89	69	91	71	86	70	92	74	85	67	89	71	93	74
7...	86	73	92	72	88	73	83	69	89	71	90	70	94	70	88	70	95	74	82	68	88	71	82	68	88	72	93	74
8...	88	73	91	72	86	76	87	70	93	73	90	71	90	69	89	69	91	74	84	69	88	71	84	67	88	72	93	74
9...	91	72	93	70	89	74	85	69	91	71	93	73	90	70	88	69	93	72	86	68	90	71	84	66	88	71	93	68
10...	94	72	91	73	88	73	95	69	95	71	92	73	91	70	90	70	93	72	86	70	90	72	85	66	88	73	91	74
11...	91	73	89	71	90	75	89	69	95	73	93	70	83	70	91	69	92	74	87	71	91	66	88	73	89	74	90	74
12...	90	72	89	72	86	74	85	70	92	69	91	73	89	69	91	70	95	74	82	68	88	72	88	68	88	73	91	75
13...	89	70	93	72	88	78	89	71	96	72	90	73	92	70	91	70	93	73	89	72	88	70	90	68	88	73	91	74
14...	88	72	93	73	91	72	87	72	97	74	90	70	91	72	93	69	95	71	86	71	89	73	89	67	89	73	91	73
15...	90	71	90	70	90	74	87	71	96	72	98	73	90	71	90	70	92	74	86	72	93	70	95	66	88	73	91	74
16...	91	72	93	63	91	76	89	70	94	69	91	73	92	70	92	71	93	73	85	70	92	72	88	66	89	72	93	73
17...	90	73	91	74	89	73	84	70	89	73	90	71	92	71	88	71	90	74	83	70	89	74	88	61	88	70	93	71
18...	86	65	77	72	77	67	82	69	90	71	83	64	82	70	84	68	92	70	85	67	87	70	88	60	88	70	90	70
19...	69	63	72	66	83	70	74	64	83	63	72	61	70	65	82	67	84	71	71	63	70	65	84	64	83	73	78	68
20...	75	63	72	65	78	65	80	61	80	60	78	61	70	62														

TABLE 3.—*Maximum and minimum temperatures at selected stations, July, 1910.* District No. 2—Continued.

## Alabama.

## Mississippi